

# **K-5**     **Building Higher-Order Thinking Skills with Ready-to-Use Technologies (Gr. K-12)**

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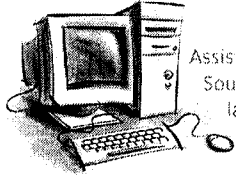


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## Differentiation for the Gifted Learner Using Technological Tools.



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## What is Differentiated Instruction?

Differentiated instruction is a teaching philosophy based on the premise that teachers should adapt instruction to student differences. Rather than marching students through the curriculum lockstep, teachers should modify their instruction to meet students' varying readiness levels, learning preferences, and interests. Therefore, the teacher proactively plans a variety of ways to 'get at' and express learning."

Carol Ann Tomlinson

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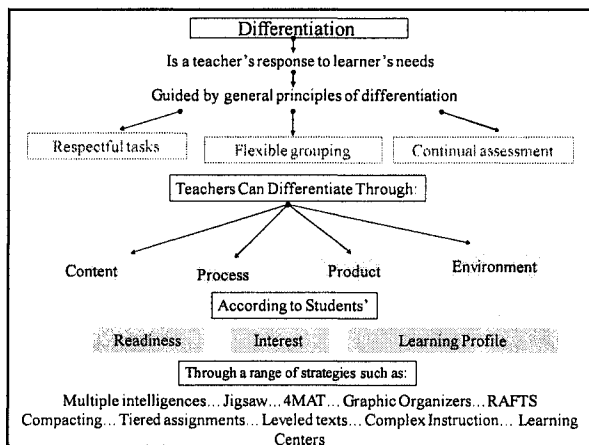
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## What are characteristics of Gifted/Advanced Learners?

*"For the purpose of education, gifted children are those students in a given school or school district who are exceptional by virtue of markedly greater than average potential or ability in some area of human activity generally considered to be the province of the educational system and whose exceptionality engenders special-educational needs that are not being met adequately by the regular core curriculum." Borland 1989*



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## What is concept-based Curriculum?

### Major Concepts and Subconcepts

These are the written **statements of truth**, the core to the meaning(s) of the lesson(s) or unit. These are what **connect the parts of a subject** to the student's life and to other subjects.

It is through the understanding component of instruction that we teach our students to truly grasp the "**point**" of the lesson or the experience.

Understandings are purposeful. They focus on the **key ideas** that require students to understand information and **make connections** while evaluating the relationships that exist within the understandings.



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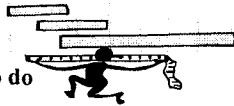
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## Thinking Skills

### What Students are able to do

- Basic skills of any discipline
- Skills of planning, independent learning, etc.

The skill portion encourages the students to "think" like the professionals who use the knowledge and skill daily as a matter of how they do business. This is what it means to "be like" a doctor, a scientist, a writer or an artist.



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## Technological Tools

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Bar chart showing the number of people in each age group (0-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, 85+) who are employed in the manufacturing sector. The x-axis represents the age group, and the y-axis represents the number of people. The data is as follows:

Age Group	Number of People
0-14	10
15-24	20
25-34	30
35-44	40
45-54	50
55-64	60
65-74	70
75-84	80
85+	90



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## Technological Tools cont.

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